Issued Date: January 4, 2001
Revised Date: June 27, 2017

Safety Data Sheet

1. Product and Company Information

Product name : Frying oil degradation test paper, AV-CHECK
Company : Toyo Roshi Kaisha, Ltd.
Head office : 1-18-10 Otowa, Bunkyo-ku, Tokyo, 112-0013 Japan
Section in charge : Quality Assurance Room
Phone : 81-(0)3-5981-0577
Fax : 81-(0)3-5981-0583
Emergency contact number : Same as above
Recommended application and product usage restrictions
: To determine degradation degree of heated oils and fats
Reference No. : MC-1007J-7

2. Hazard Summary

GHS Classification
Physical hazard : Not applicable.
Human health hazard
Acute toxicity(Oral) : Not classified.
(Skin absorption) : Not classified.
(Inhalation: gas) : Not applicable.
(Inhalation: vapour) : Not applicable.
Skin corrosion/ Irritation : Category 2.
Serious eye damage and eye irritation : Class 2B.
Carcinogenicity : Category 2.
Specific target organ toxicity – Single exposure
: Category 3 Irritation to respiratory tract.
Category 3 Anesthetic action.
Environmental hazard
Hazardous to the aquatic environment (acute)
: Category 2
Hazardous to the aquatic environment (chronic)
: Category 2

Label element
Pictograms or symbols :

Signal words : Warning.
Hazard statements : Causes skin irritation.
Causes eye irritation.
Limited carcinogenic concerns.
Possible irritation to respiratory organs
(Irritation to respiratory tract)
May cause drowsiness or dizziness.
(Anesthetic action.)
Toxicity to aquatic life.
Toxic to aquatic life with long lasting effects.

Precautionary statements Safety measure
: Do not eat, drink or smoke when using this product.
Wash hands thoroughly after handling.
When handling, wear protective gloves if necessary.
Avoid breathing dust, mist, and vapours.
Use only in well-ventilated areas.
Use appropriate protective gloves, eye protection, protective clothing, face protection, and protective mask.
Avoid release to the environment.
Collect spillage.

First aid measures : In case of skin contact, wash with plenty of soap and water.
In case of skin irritation, consult with a physician for treatment.
In case of eye contact, rinse carefully with water for several minutes.
Remove contact lenses, and continue rinsing.
In case eye irritation continues, consult with a physician for treatment.
If ingested, and feeling ill, consult with a physician.
Make sure to rinse mouth.
In case of exposure or care for exposure, consult with a physician for treatment.
In case of inhalation, and if breathing is difficult, remove person to fresh air and rest in a comfortable position for easy breathing.
If feeling ill, consult with a physician.

---

3. Composition and Information on ingredients

Single substance/Mixtures : Mixtures

Chemical name or general name : Test Paper

Ingredients and Content : Glass fiber (Base paper)
Methyl Red (Reagent)
Glycerin (Reagent)
Sodium carbonate (Reagent)
Polyethylene Glycol Mono-p-isoocthylphenyl ether (Reagent)

Chemical formula or structural formula : Methyl Red $C_{15}H_{15}N_3O_2$
Glycerin $C_3H_8O_3$
Sodium carbonate Na_2CO_3

Reference Number in Gazetted List in Japan Law Concerning the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. : Methyl Red (5) -243
Glycerin (2) -242
Sodium carbonate (1) -164
Polyethylene Glycol Mono-p-isoocthylphenyl ether (7)-172

Japan's Industrial Safety and Health Law : Glass fiber 314
CAS No. : Glass fiber 65997-17-3
Methyl Red 493-52-7
Glycerin 56-81-5
Sodium carbonate 497-19-8
Polyethylene Glycol Mono-p-isoocthylphenyl ether 9002-93-1
UN Classification : ——
UN No. : ——

4. First Aid Measures

Eye contact : Immediately wash thoroughly with clean running water. Then, consult with a physician.

Skin contact : Immediately rinse the adhesion area and/or contact area with a copious amount of clean running water. In case of abnormality, see a doctor.

Inhalation : Remove the patient to the fresh air and keep the patient at a posture for easy breathing. If feeling ill, consult with a physician

Ingestion : If feeling ill, consult with a physician for treatment.
Make sure to rinse mouth.

5. Fire Fighting Measures

Extinguishing procedure : Take the same procedure as a general fire.

Unacceptable extinguishing media : No data.

Extinguishing media : Plenty of water (spray), dry chemicals, carbon dioxide, foam chemicals, and halogen media and dry sand.

6. Accidental Release Measures

Personal precautions : No data available.

Protective equipment and emergency procedures
: No data available.

Precautions for environment : No data available.

Collection/neutralization : No data available.

Follow [Disposal Considerations] when disposing of the collected material.

7. Handling and Storage

Handling : Seal the container tightly after each use.
Wash hands thoroughly after handling.

Storage : Avoid direct sunlight, ultraviolet light, moisture, high temperatures, high humidity, open-air storage, strong acids and strong bases.

8. Exposure controls / Personal protection

Administrative concentration : If the workplace has an applicable regulation for dust, since glass wool is stable and isolation silicic acid is 0%, inspiratory particulate standard control concentration is 3.0mg/m^3. (Glass fiber)

Acceptable concentration

Japan Society for Occupational Health: If the raw material is 1f/ml (estimate),and is not set up as filter paper. (2003) (Glass fiber)

ACGIH : If the raw material is 1f/cc [not less than 5 micrometers in length, and a three or more aspect ratios (length/diameter) inspiratory fiber], and is not set up as filter paper. (2003) (Glass fiber)

10mg/ m^3 (TLV-TWA, 2009) (Glycerin)

Facility provision : It is recommended to install a local exhaust ventilation system, device for washing the face/body/mouth and a changing room.

Protective equipment : Use appropriate protective tools if necessary.

---

9. Physical and Chemical Properties

Appearance (Physical property, shape, color, etc.)	: Blue.
Odour	: None.
pH	: No data.
Melting point /Freezing point	: No data.
Flash point	: No data.
Explosive limit Upper limit	: No data.
Lower limit	: No data.
Relative density	: No data.
Solubility	: No data.
Spontaneous ignition point	: In-combustible.
Decomposition temperature	: No data.
Flammability (Solid, gas)	: No data.

---

10. Stability and Reactivity

Stability, Reactivity	: Stable under normal handling.
Possibility of hazardous reactions	: No data.
Conditions to avoid	: High temperature and high humidity.
Incompatible materials	: Strong oxidizers.
Hazardous decomposition products	: Carbon monoxide, Carbon dioxide, Sulfur oxide, Bromine, Hydrogen bromide, and Nitrogen oxides.

---

11. Toxicological Information

Acute toxicity

(Oral) : Not classified. (as mixtures)
Due to added result, acute toxicity estimated value (ATE) of above component in composite is classified as "Not classified".
(as a single substance)
Category 4.
(Polyethylene Glycol Mono-p-isoocthylphenyl ether)

(Skin absorption) : Not classified.
Due to added result, acute toxicity estimated value (ATE) of above component in composite is classified as "Not classified".

(Inhalation: gas) : Not applicable.
Not applicable due to component concentration of mixture.

(Inhalation: vapour) : Not applicable.
Not applicable due to component concentration of mixture.

(Inhalation: dust, mist) : Classification is not possible due to lack of data. (as mixtures)
(as a single substance)
Category 4. (Sodium carbonate)

Skin corrosion/ Irritation : Category 2. (as mixtures)
(as a single substance)
Category 2. (Glass fiber)

Serious eye damage and eye irritation : Class 2B. (as mixtures)
(as a single substance)
Class 2B. (Glass fiber)
Category 1. (Sodium carbonate)
Class 2A.
(Polyethylene Glycol Mono-p-isoocthylphenyl ether)

Respiratory/ Skin sensitization : Classification is not possible due to lack of data.

Germ cell mutagenicity : Classification is not possible due to lack of data.

Carcinogenicity : Category 2 . (as mixtures)
(as a single substance)
Category 2. (Glass fiber)

Reproductive toxicity : Classification is not possible due to lack of data.

Specific target organ toxicity - Single exposure
: Category 3. (as mixtures)
(as a single substance)
Category 3 Irritation to respiratory tract. (Glass fiber, Sodium carbonate)
Category 3 Anesthetic action. (Sodium carbonate)

Specific target organ toxicity - Repeated exposure
: Classification is not possible due to lack of data.

Aspiration hazard : Classification is not possible due to lack of data.

Other : RTECS# DG8960000 (Methyl Red)

---

12. Ecological Information

Ecotoxicity

Toxicity to a fish : (as a single substance)
TLm96; > 1,000ppm (Glass fiber)

Hazardous to the aquatic environment (acute)
: Category 2. (as mixtures)
(as a single substance)
Category 2.
(Polyethylene Glycol Mono-p-isoocthylphenyl ether)

Hazardous to the aquatic environment(chronic)
: Category 2. (as mixtures)
(as a single substance)
Category 2.
(Polyethylene Glycol Mono-p-isoocthylphenyl ether)

Persistence and Degradability	: (as a single substance) 63% BOD(High biodegradability) (Glycerin)
Bioaccumulation	: No data.
Mobility in soil	: No data.
Ozone layer hazard	: Classification is not possible due to lack of data.
Others	: Do not dispose or release into an ocean or any other water areas in order to prevent environmental contamination and/or intake by marine and bird life.

13. Disposal Considerations

Dispose in accordance with federal, state and local regulations.
Just like disposal of general industrial waste, ask for industrial waste disposer accepted by prefectural governors or for a local public agency for disposal.
When incinerating the material, use the specific incineration facility. Take appropriate procedure that satisfies Clean Air Act, Waste Disposal and Public Cleaning Law, and Clean Water Law. (We recommend disposing the material as industrial waste.)

14. Transport Information

—————

15. Regulatory Information

Act on Confirmation, etc. of Release Amounts Specific Substances in the Environment and Promotion of Improvements to the Management Thereof
: Class I Designated Chemical Substances(Decree No.408)
(Polyethyleneglycolmono-p-isoocthylphenyl ether)

Industrial Safety and Health Law : Subject Chemical Substance (Decree No. 314)
[Glass fiber(Artificial mineral fiber)]

16. Other information

Handling of written contents
Contents of this data sheet are based on materials, information, and data acquirable at this point and are subject to revision due to new knowledge.
In addition, contents such as contained amount, physical and chemical properties, and hazards identification are not subject of any guarantee. These precautions are applied only during standard handling. If the material is used in a special way, take appropriate safety measures that correspond to actual applications and usages.

Each user is responsible to take appropriate measures with due consideration of contents in this sheet.
Please note that this Material Safety Data Sheet is created according to Japanese law.

List of references

- Hazard communication of chemicals based on GHS - Labelling and Safety Data Sheet (SDS) (JIS Z 7253: 2012)